

CLAIM AMENDMENTS

1. (Currently Amended) A controlled debris perforating system, comprising:

 a shaped charge comprising a charge case having a wall defining a recessed region, an explosive material received disposed in the recessed region the charge case and a liner disposed in the charge case, the charge case defining at least one axially oriented slot in the wall about which the charge case is adapted to fracture in response to detonation of the explosive material.

2.-5. (Cancelled)

6. (Previously Presented) The controlled debris perforating system of claim 1, wherein the at least one slot is a V-notched groove.

7. (Previously Presented) The controlled debris perforating system of claim 1, wherein the at least one slot is an external slot.

8.-16. (Cancelled)

17. (Currently Amended) A method of using one or more shaped charges in a well, comprising:

 providing a perforating string having one or more shaped charges, the shaped charges comprising a charge case having a wall defining a recessed region, an explosive material received in the recessed region disposed in the charge case and a liner disposed in the charge case, the charge case defining at least one axially oriented slot in the wall about which the charge case is adapted to fracture in response to detonation of the explosive material; and

 conveying the perforating string into the well.

18. (Original) The method of claim 17, wherein the perforating string comprises a loading tube and carrier.

19. (Original) The method of claim 17, wherein the perforating string comprises a spiral gun.

20.-22. (Cancelled)

23. (Currently Amended) The controlled debris perforating system of claim 1, wherein said at least slot comprises at least one groove formed in [[a]] the wall of the case.

24. (Cancelled)

25. (Previously Presented) The controlled debris perforating system of claim 23, wherein said at least one groove is cut into the wall of the case.

26.-27. (Cancelled)

28. (Currently Amended) The method of claim 17, wherein said at least slot comprises at least one groove formed in [[a]] the wall of the case.

29. (Cancelled)

30. (Previously Presented) The method of claim 28, wherein said at least one groove is cut into the wall of the case.

31.-32. (Cancelled)

33. (Currently Amended) A method of controlling the debris during perforating, comprising:

providing a shaped charge comprising a charge case having a wall defining a recessed region, a liner disposed in the charge case and an explosive received in the recessed region disposed in the charge case, the charge case defining at least one axially-oriented groove in the wall about which the charge case is adapted to fracture in response to detonation of an explosive.

34. (Cancelled)

35. (Previously Presented) The method of claim 33, wherein said at least one groove is located on the outside of the charge case.

36.-41. (Cancelled)

42. (Currently Amended) A controlled debris perforating system, comprising:
a shaped charge comprising a charge case having a wall defining a recessed region, the recessed region charge case adapted to receive a liner and an explosive material and the charge case defining at least one slot in the wall about which the charge case is adapted to fracture in response to detonation of the explosive material.

43. (Previously Presented) The controlled debris perforating system of claim 42, wherein the at least one slot is axially oriented.

44. (Previously Presented) The controlled debris perforating system of claim 42, wherein the at least one slot is a V-notched groove.

45. (Previously Presented) The controlled debris perforating system of claim 42, wherein the at least one slot is an external slot.